



Emerging HIV and TB Trends in Maryland

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MISSION AND VISION

MISSION

The mission of the Prevention and Health Promotion Administration is to protect, promote and improve the health and well-being of all Marylanders and their families through provision of public health leadership and through community-based public health efforts in partnership with local health departments, providers, community based organizations, and public and private sector agencies, giving special attention to at-risk and vulnerable populations.

VISION

The Prevention and Health Promotion Administration envisions a future in which all Marylanders and their families enjoy optimal health and well-being.

Global HIV – 2019

Global summary of the AIDS epidemic | 2019

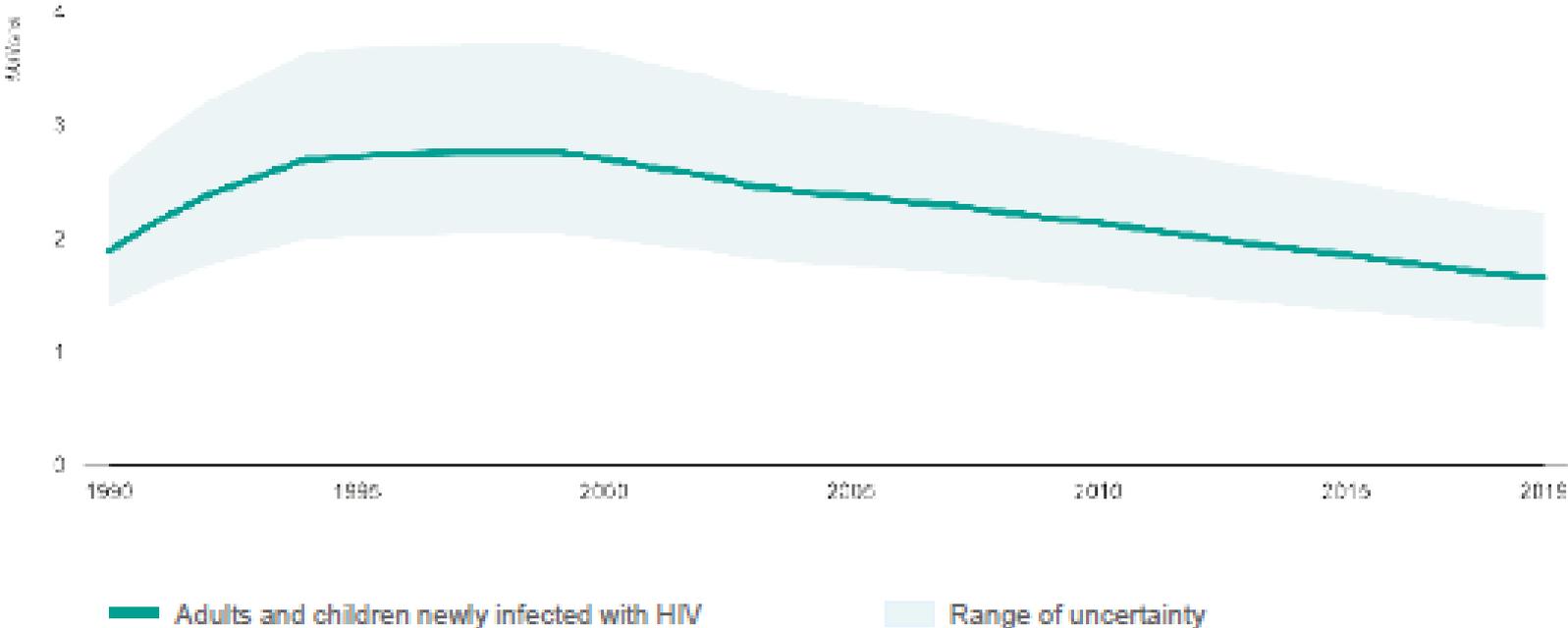
Number of people living with HIV	Total	38.0 million	[31.6 million–44.5 million]
	Adults	36.2 million	[30.2 million–42.5 million]
	Women (15+ years)	19.2 million	[16.4 million–22.2 million]
	Children (<15 years)	1.8 million	[1.3 million–2.2 million]

People newly infected with HIV in 2019	Total	1.7 million	[1.2 million–2.2 million]
	Adults	1.5 million	[1.1 million–2.0 million]
	Children (<15 years)	150 000	[94 000–240 000]

AIDS-related deaths in 2019	Total	690 000	[500 000–970 000]
	Adults	600 000	[430 000–840 000]
	Children (<15 years)	95 000	[61 000–150 000]

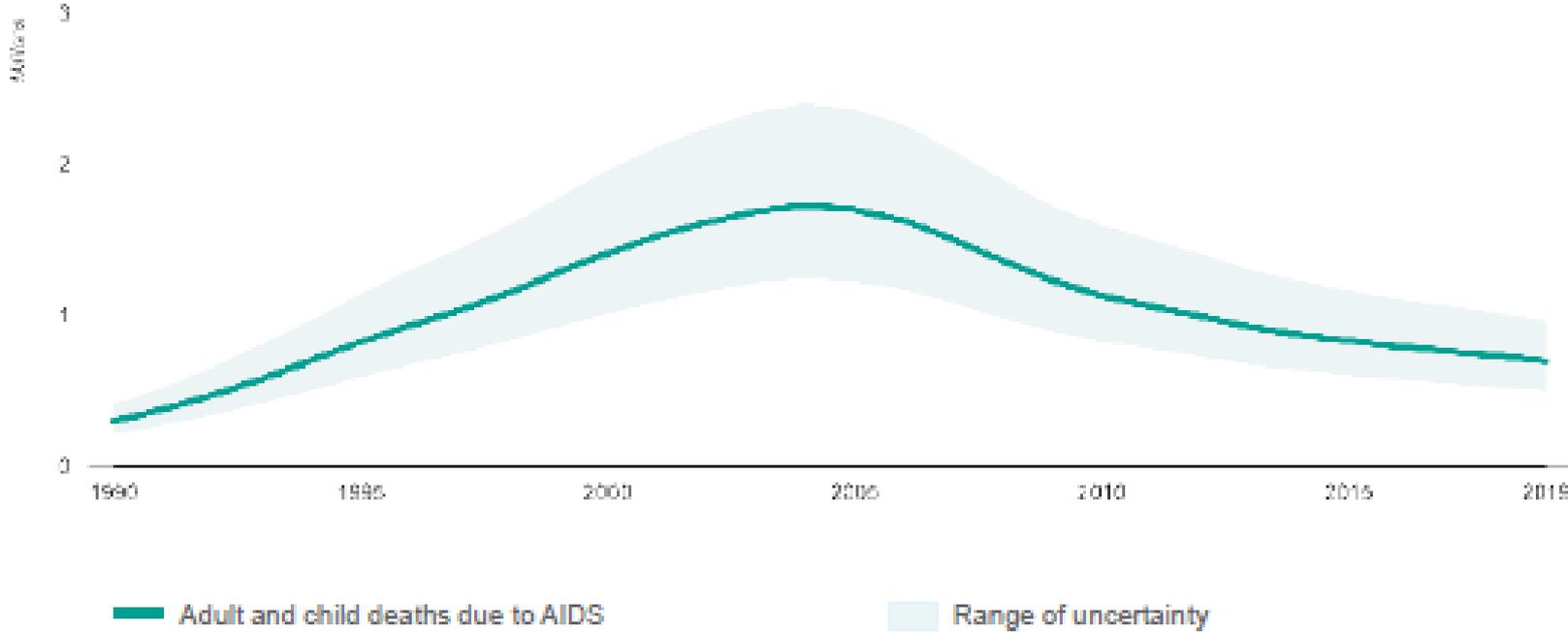
Global HIV – Incidence Trend

Adults and children newly infected with HIV | 1990–2019



Global HIV – Mortality Trend

Adult and child deaths due to AIDS | 1990–2019

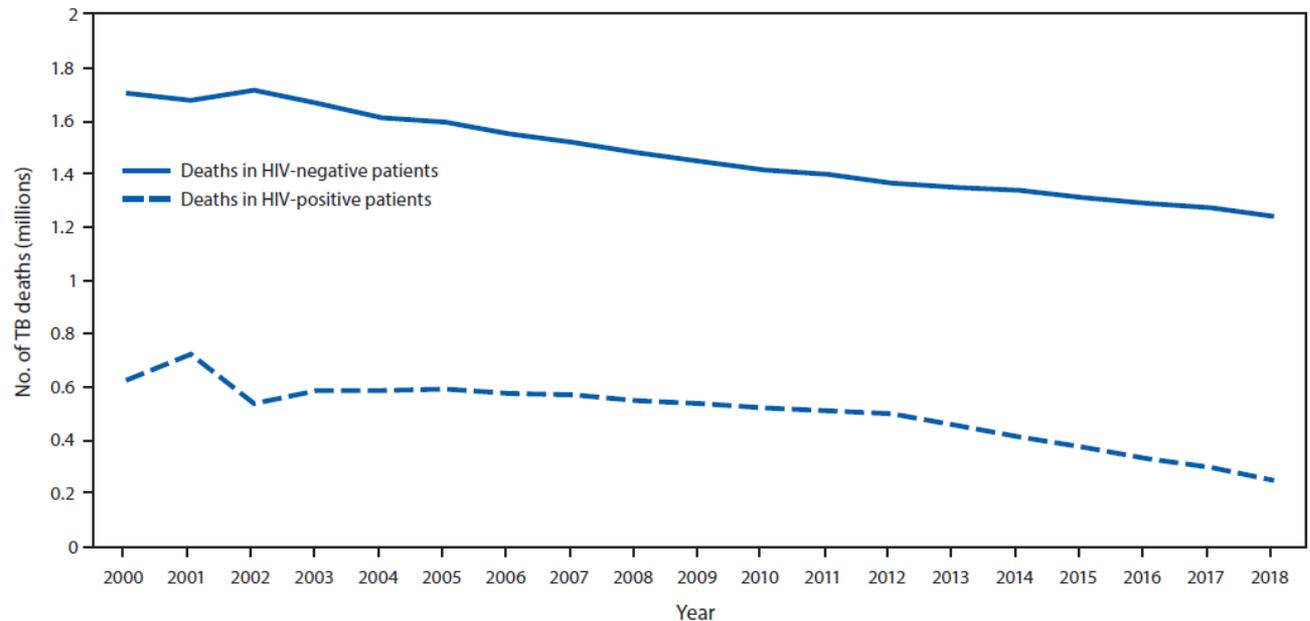


Global HIV and TB – Mortality Trends

TB is the leading cause of death among people with HIV

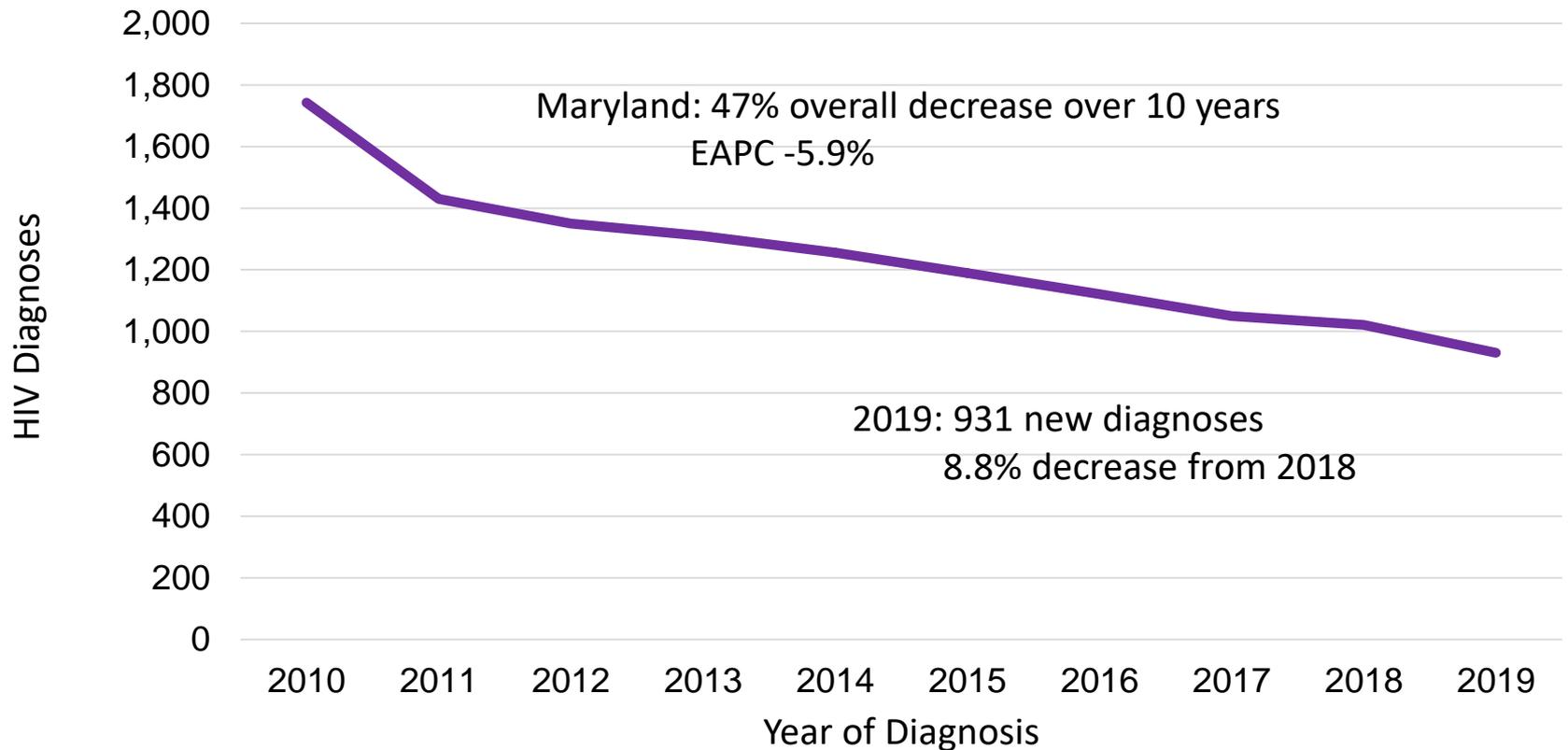
17% of 2018 TB deaths were among people with HIV

FIGURE 2. Trends in the estimated number of tuberculosis (TB)-related deaths among persons living with human immunodeficiency virus (HIV-positive persons) and HIV-negative persons — worldwide, 2000–2018



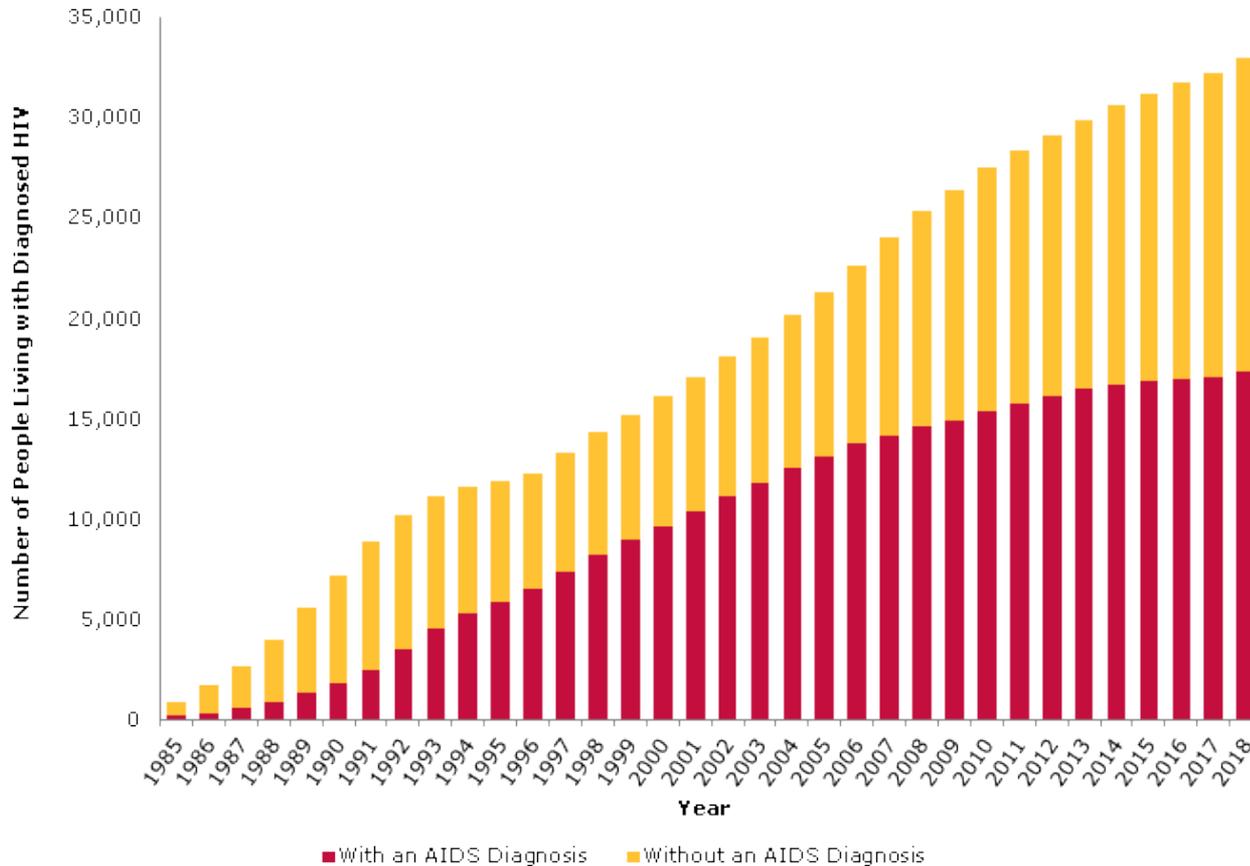
However, TB is rarely the cause of death in Maryland

Maryland HIV Diagnosis Trends



Data as reported through 6/30/2020

Maryland People Living with HIV/AIDS



People living in Maryland with diagnosed HIV or AIDS on 12/31/2018

HIV	15,558
AIDS	17,357
Total	32,915

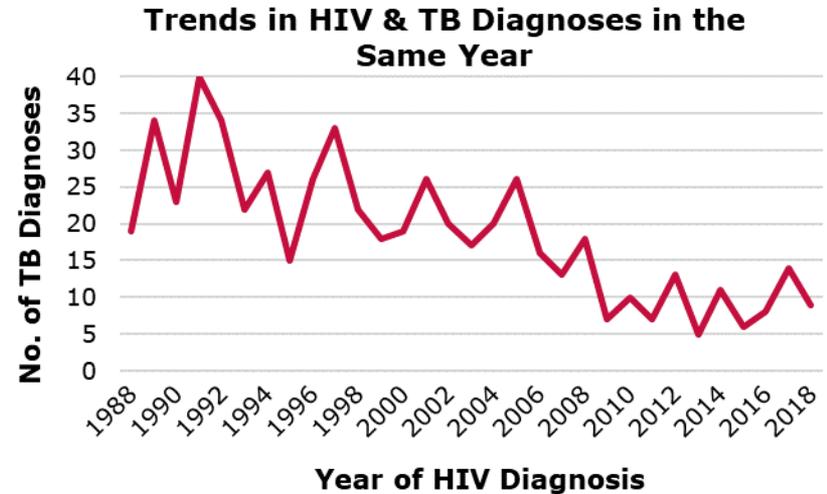


HIV and TB Reporting in Maryland

- TB is reportable and tracked by the Center for TB Prevention and Control
- HIV and AIDS are reportable and tracked by the Center for HIV Surveillance, Epidemiology and Evaluation
- TB in a person with HIV is diagnostic of AIDS
- CTBPC and CHSEE cross notify and share information as appropriate and periodically match databases to ensure complete reporting

HIV and TB Coinfection in Maryland

- Of the 32,915 people living with HIV in 2018, 18 were newly diagnosed with TB in 2018 (5.5/10,000)
- Nine (50%) of the 18 new TB diagnoses were also new HIV diagnoses (out of 993 total, 2%)



- Decreasing co-occurrence of HIV and TB diagnoses

Who Are the Co-Infected?

- 414 (1.3%) of the 32,915 people living with HIV in 2018 were ever diagnosed with TB
 - 62% male
 - 53% age 50+
 - 50% live in suburban Washington (Montgomery and Prince George's counties)
 - 58% are foreign-born, top 5 countries:
 - Cameroon (41)
 - Ethiopia (28)
 - Kenya (15)
 - Nigeria (14)
 - Sierra Leone (13)

2016 – Maryland HIV Plan

General Population	Vulnerable Populations	Full Diagnosis of HIV Infection	Care Engagement	Viral Suppression
<p><i>Educate</i> all Marylanders to heighten HIV awareness and reduce stigma.</p>	<p><i>Protect</i> individuals and communities at highest risk for HIV infection in Maryland.</p>	<p><i>Diagnose</i> all Marylanders living with HIV who are unaware of their HIV status.</p>	<p><i>Engage</i> all Marylanders living with HIV in high quality HIV care.</p>	<p><i>Achieve</i> viral suppression for all Marylanders living with HIV.</p>

Ending the HIV Epidemic - 2019

GOAL:

HHS will work with each community to establish local teams on the ground to tailor and implement strategies to:

75%
reduction
in new HIV
infections
in 5 years
and at least
90%
reduction
in 10 years.



Diagnose all people with HIV as early as possible.

Treat people with HIV rapidly and effectively to reach sustained viral suppression.

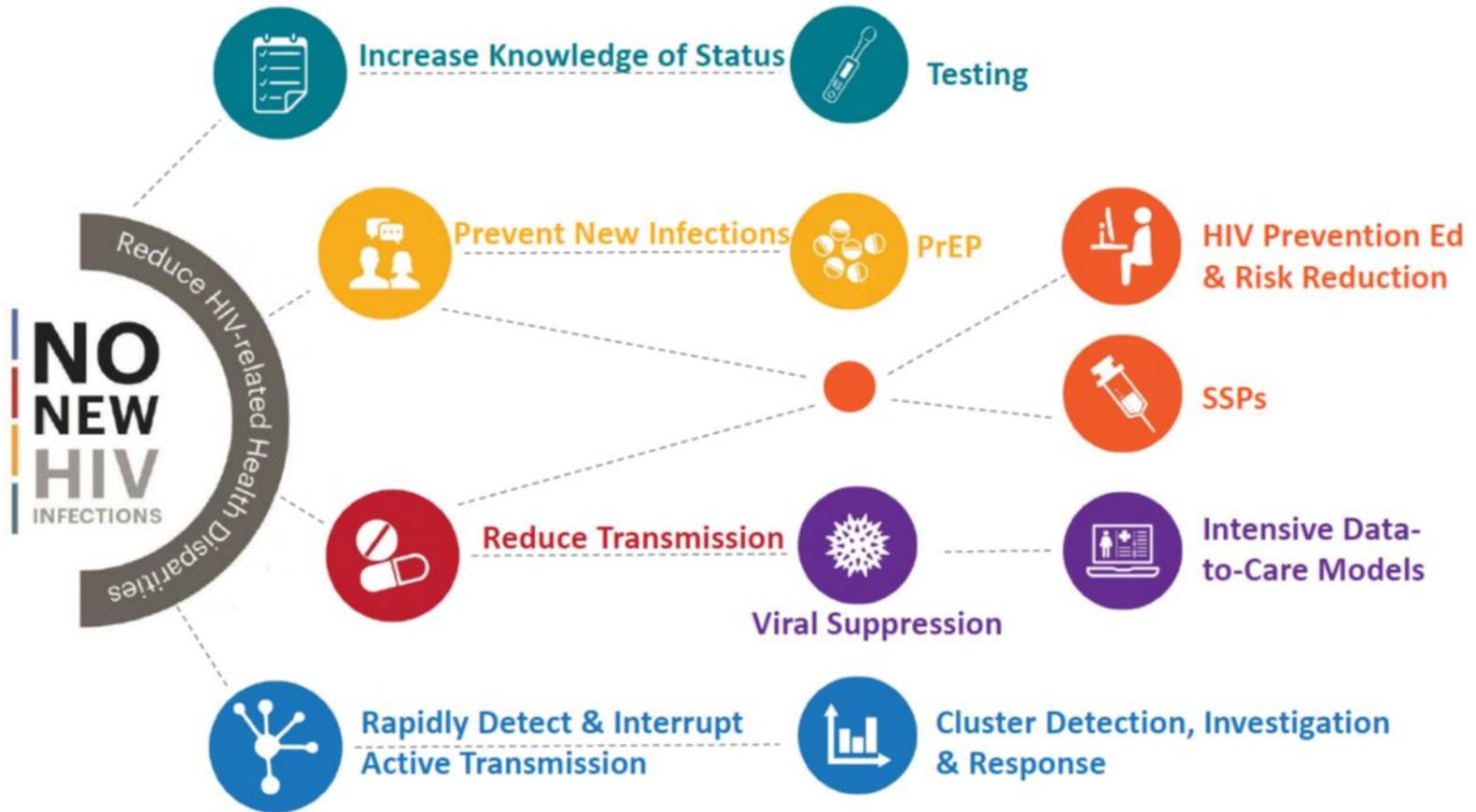


Prevent new HIV transmissions by using proven interventions, including pre-exposure prophylaxis (PrEP) and syringe services programs (SSPs).

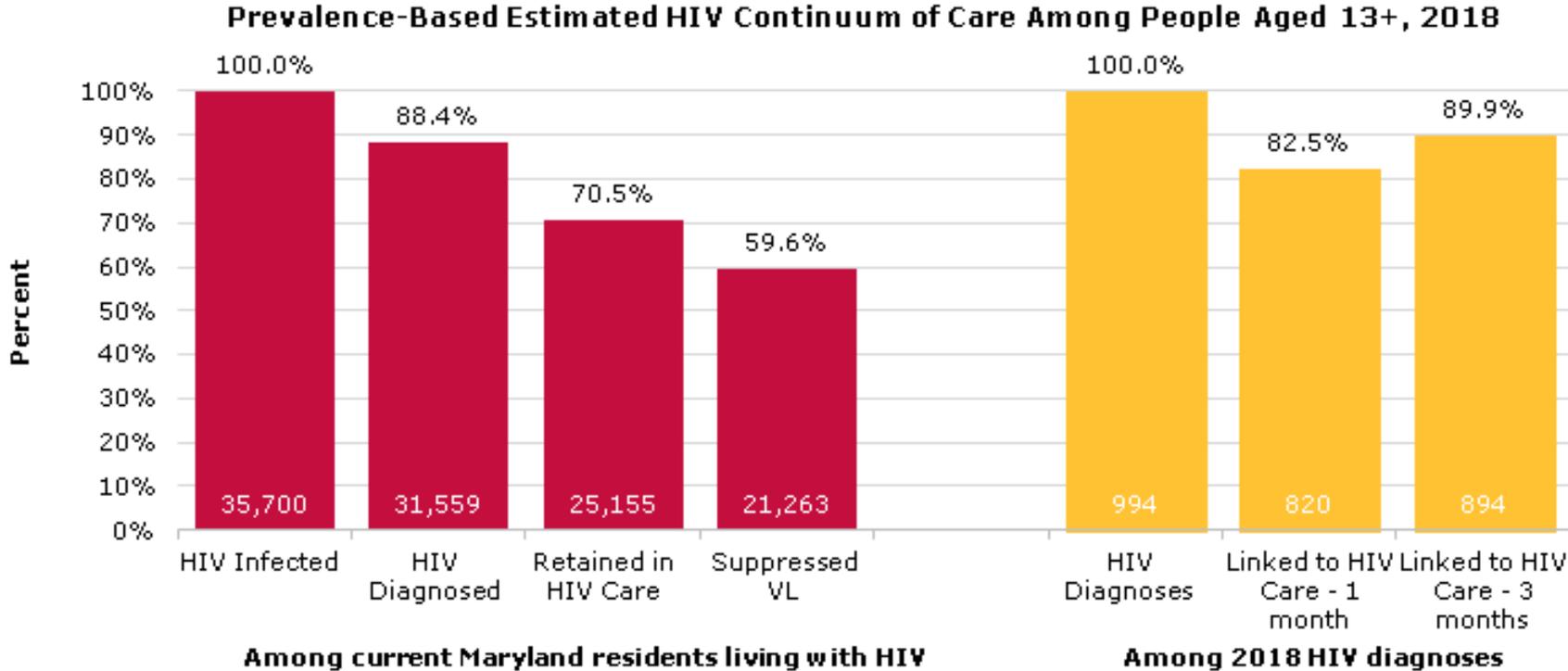
Respond quickly to potential HIV outbreaks to get needed prevention and treatment services to people who need them.



CDC 18-1802 HIV Prevention Plan



2018 HIV Continuum of Care



Issues for the Future

- EHE = ending new infections in Maryland
 - 35K+ people living with HIV
 - No cure = chronic disease management
 - Many people with latent TB
 - Average age late 40's – decades of maintenance needed
- Increasing numbers of international migrants with HIV and/or TB
- High levels of travel to and visitors from countries with high levels of HIV and TB
- Challenges in properly identifying cases, assigning residence, and ascribing risk

Additional Data

- HIV statistics page
 - <https://phpa.health.maryland.gov/OIDEOR/CHSE/Pages/statistics.aspx>
- HIV Data Request e-mail
 - hivdatarequest@maryland.gov